

# INVERTER DRIVING DEVICE AND METHOD

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## **ABSTRACT OF THE DISCLOSURE**

**[0082]** An inverter driver comprises: an inverter circuit including first and second switches, inverting DC components into AC components in response to switching by the first and second switches to drive a load; a control signal supply outputting a first voltage corresponding to a voltage caused by sensing the current flowing to the load, and outputting a second voltage, and a third voltage generated by multiplying the first voltage by a gain; a frequency controller including a capacitor and an oscillator, controlling a first current charged in/discharged from the capacitor through the oscillator in response to the first voltage; and a duty controller comparing the third voltage and a fourth voltage charged in the capacitor, and controlling the duty of the first and second switches.